

## Table K2. - Soil Features

Las Vegas Valley Area, Nevada, Part Of Clark County

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 105:<br>Mccullough          | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| Jean                        | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Bluepoint                   | ---               | ---             | ---       | ---      | 0          | ---   | Low                              | High              | High     |
| 107:<br>Arizo               | ---               | ---             | ---       | ---      | 0          | ---   | ---                              | High              | Low      |
| 112:<br>Arizo               | ---               | ---             | ---       | ---      | 0          | ---   | Low                              | High              | Low      |
| 113:<br>Arizo               | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 117:<br>Arizo               | ---               | ---             | ---       | ---      | 0          | ---   | ---                              | High              | Low      |
| 120:<br>Bluepoint           | ---               | ---             | ---       | ---      | 0          | ---   | ---                              | High              | Moderate |
| 127:                        |                   |                 |           |          |            |       |                                  |                   |          |

## Table K2. - Soil Features - Continued

Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer    |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|----------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind                 | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                      | In              | In        |          | In         | In    |                                  |                   |          |
| 127:<br>Bluepoint           | ---                  | ---             | ---       | ---      | 0          | ---   | Low                              | High              | High     |
| 128:<br>Bluepoint           | ---                  | ---             | ---       | ---      | 0          | ---   | Low                              | High              | High     |
| 129:<br>Bluepoint           | ---                  | ---             | ---       | ---      | 0          | ---   | Low                              | High              | High     |
| 130:<br>Bracken             | Bedrock (paralithic) | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | High     |
| Destazo                     | ---                  | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 132:<br>Bracken             | Bedrock (paralithic) | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 133:<br>Bracken             | Bedrock (paralithic) | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | High     |
| Rock Outcrop                | ---                  | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 134:<br>Bracken             | Bedrock (paralithic) | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | High     |

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| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 140:<br>Casaga              | ---               | ---             | ---       | ---      | 0          | ---   | ---                              | High              | High     |
| 150:<br>Cave                | Petrocalcic       | 4-20            | 4-17      | ---      | 0          | ---   | None                             | High              | Low      |
| 151:<br>Cave                | Petrocalcic       | 10-20           | 4-17      | ---      | 0          | ---   | None                             | High              | Low      |
| 152:<br>Cave                | Petrocalcic       | 4-20            | 4-17      | ---      | 0          | ---   | None                             | High              | Low      |
| 155:<br>Cave                | Petrocalcic       | 4-20            | 4-17      | ---      | 0          | ---   | None                             | High              | Low      |
| 160:<br>Destazo             | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 181:<br>Caliza              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Pittman                     | Petrocalcic       | 20-30           | 4-17      | ---      | 0          | ---   | None                             | High              | Low      |
| 182:<br>Caliza              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |

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| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 182:<br>Pittman             | Petrocalcic       | 20-30           | 4-17      | ---      | 0          | ---   | None                             | High              | Low      |
| Arizo                       | ---               | ---             | ---       | ---      | 0          | ---   | Low                              | High              | Low      |
| 183:<br>Caliza              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 184:<br>Caliza              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 187:<br>Caliza              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 190:<br>Dalian              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 191:<br>Dalian              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 192:<br>Dalian              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Mccullough                  | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |

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## Table K2. - Soil Features - Continued

Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 200:<br>Glencarb            | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Moderate |
| 206:<br>Glencarb            | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 222:<br>Glencarb            | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 236:<br>Glencarb            | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 237:<br>Glencarb            | Petrocalcic       | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | Moderate |
| 240:<br>Goodsprings         | Petrocalcic       | 9-20            | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 252:<br>Grapevine           | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 255:<br>Grapevine           | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 260:                        |                   |                 |           |          |            |       |                                  |                   |          |

## Table K2. - Soil Features - Continued

Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 260:<br>Jean                | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 262:<br>Jean                | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Goodsprings                 | Petrocalcic       | 9-20            | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Jean                        | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 263:<br>Jean                | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Jean                        | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 264:<br>Jean                | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 270:<br>Land                | ---               | ---             | ---       | ---      | 0          | ---   | Low                              | High              | High     |
| 278:<br>Land                | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 282:                        |                   |                 |           |          |            |       |                                  |                   |          |

## Table K2. - Soil Features - Continued

Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 282:<br>Land                | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 300:<br>Las Vegas           | Petrocalcic       | 3-14            | 4-17      | ---      | 0          | ---   | None                             | High              | High     |
| 301:<br>Las Vegas           | Petrocalcic       | 3-14            | 4-17      | ---      | 0          | ---   | None                             | High              | High     |
| 302:<br>Las Vegas           | Petrocalcic       | 3-14            | 4-17      | ---      | 0          | ---   | None                             | High              | High     |
| Mccarran                    | ---               | ---             | ---       | ---      | 0          | ---   | ---                              | High              | High     |
| Grapevine                   | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 305:<br>Las Vegas           | Petrocalcic       | 3-14            | 4-17      | ---      | 0          | ---   | None                             | High              | High     |
| Destazo                     | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 307:<br>Las Vegas           | Petrocalcic       | 3-14            | 4-17      | ---      | 0          | ---   | None                             | High              | High     |

# Table K2. - Soil Features - Continued

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| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 307:<br>Skyhaven            | Petrocalcic       | 24-40           | 4-17      | ---      | 0          | ---   | None                             | High              | High     |
| 325:<br>Mccarran            | ---               | ---             | ---       | ---      | 0          | ---   | ---                              | High              | High     |
| 326:<br>Mccarran            | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 341:<br>Paradise            | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 360:<br>Rock Outcrop        | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| St. Thomas                  | Bedrock (lithic)  | 4-20            | ---       | ---      | 0          | ---   | Low                              | High              | Low      |
| 380:<br>Skyhaven            | Petrocalcic       | 24-40           | 4-17      | ---      | 0          | ---   | None                             | High              | High     |
| 390:<br>Spring              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 400:<br>Tencee              | Petrocalcic       | 7-20            | 4-17      | ---      | 0          | ---   | Low                              | High              | Low      |



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| Map Symbol<br>and Soil Name | Restrictive Layer    |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|----------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind                 | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                      | In              | In        |          | In         | In    |                                  |                   |          |
| 415:<br>Aztec               | ---                  | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 417:<br>Aztec               | ---                  | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| Rock Outcrop                | ---                  | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 418:<br>Aztec               | ---                  | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| Nickel                      | Bedrock (lithic)     | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Knob Hill                   | ---                  | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 419:<br>Aztec               | ---                  | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| Bracken                     | Bedrock (paralithic) | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 430:<br>Knob Hill           | ---                  | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 440:                        |                      |                 |           |          |            |       |                                  |                   |          |

## Table K2. - Soil Features - Continued

Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 440:<br>Nickel              | Bedrock (lithic)  | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 450:<br>Cave Variant        | Petrocalcic       | 5-18            | 4-17      | ---      | 0          | ---   | ---                              | High              | High     |
| 481:<br>Hobog               | Bedrock (lithic)  | 8-20            | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 484:<br>Hobog               | Bedrock (lithic)  | 8-20            | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 500:<br>Canutio             | Bedrock (lithic)  | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Akela                       | Bedrock (lithic)  | 10-20           | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 501:<br>Canutio             | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 502:<br>Canutio             | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Cave                        | Petrocalcic       | 4-20            | 4-17      | ---      | 0          | ---   | None                             | High              | Low      |

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Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 505:<br>Canutio             | Bedrock (lithic)  | 40-60           | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Akela                       | Bedrock (lithic)  | 10-20           | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 510:<br>Akela               | Bedrock (lithic)  | 10-20           | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Rock Outcrop                | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 540:<br>Weiser              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| 542:<br>Weiser              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Aztec                       | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | High     |
| 545:<br>Weiser              | ---               | ---             | ---       | ---      | 0          | ---   | None                             | High              | Low      |
| Goodsprings                 | Petrocalcic       | 9-20            | ---       | ---      | 0          | ---   | None                             | High              | Low      |

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## Table K2. - Soil Features - Continued

Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| 600:<br>Slickens            | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 605:<br>Dumps               | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 610:<br>Pits                | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 615:<br>Urban Land          | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 630:<br>Badland             | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 635:<br>Rock Outcrop        | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 640:<br>Rock Outcrop        | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| 645:<br>Pits                | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |
| W:                          |                   |                 |           |          |            |       |                                  |                   |          |

**Table K2. - Soil Features - Continued**

Las Vegas Valley Area, Nevada, Part Of Clark County

| Map Symbol<br>and Soil Name | Restrictive Layer |                 |           |          | Subsidence |       | Potential<br>for Frost<br>Action | Risk of Corrosion |          |
|-----------------------------|-------------------|-----------------|-----------|----------|------------|-------|----------------------------------|-------------------|----------|
|                             | Kind              | Depth<br>to Top | Thickness | Hardness | Initial    | Total |                                  | Uncoated<br>Steel | Concrete |
|                             |                   | In              | In        |          | In         | In    |                                  |                   |          |
| W:<br>Water                 | ---               | ---             | ---       | ---      | ---        | ---   | ---                              | ---               | ---      |